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(54) Title: SYSTEMS AND METHODS FOR OFF-AXIS BUBBLE DETECTION

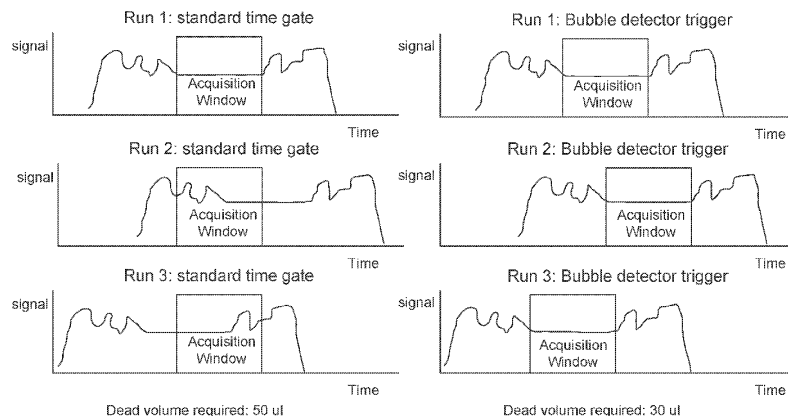


FIG. 5

(57) Abstract: A detection system that operates with reduced sample waste and dead volume, the system including: a module configured to introduce a sample spacer into a sample; at least one light source, wherein the light source illuminates the sample spacer and the sample, wherein illumination of the sample spacer produces scattered light; and a detection device configured to initiate acquisition of data related to the sample in response to scattered light detected by the detection device.

[Continued on next page]

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